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	Application No.	Applicant(s)		
	09/801,990	TARUI ET AL.		
Notice of Allowability	Examiner	Art Unit		
	Mai-Huong Tran	2818		
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	olication. If not included will be mailed in due cou	urse. THIS	
1. This communication is responsive to 8/19/04.				
2. The allowed claim(s) is/are <u>1-8</u> .				
3. \boxtimes The drawings filed on <u>16 August 2004</u> are accepted by the	Examiner.			
 4. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 	been received.			
3. Copies of the certified copies of the priority documents have been received in this national stage application from the				
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requir	ements	
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			ICE OF	
6. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.			
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO-	948) attached		
1) ☐ hereto or 2) ☐ to Paper No./Mail Date				
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the O	office action of		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the drawin he header according to 37 CFR 1.121(c	ngs in the front (not the ba d).	ck) of	
 DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT 			e the	
Attachment(s)				
1. Notice of References Cited (PTO-892)	5. Notice of Informal P	atent Application (PTO-1	52)	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		6. Interview Summary (PTO-413), Paper No./Mail Date		
Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date	8), 7. ☐ Examiner's Amendn	nent/Comment		
4. Examiner's Comment Regarding Requirement for Deposit	8. ⊠ Examiner's Stateme	ent of Reasons for Allowa	nce	
of Biological Material	9. Other			
David Nelms Supervisory Potent Evenings				
Supervisory Patent Examiner Technology Center 2800				

DETAILED ACTION

Reason for allowance

The following is an examiner's statement of reason for allowance: None of the references of record teaches or suggests the claimed Transistor-Type Ferroelectric Nonvolatile Memory Element having the means for increasing the effective area including a lower semiconductor layer of the MIS structure being formed as one of a trench and a rugged portion such as to increase a surface area thereof of an interface of an insulator layer and the lower semiconductor layer of the MIS structure.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Conclusion

Any inquiry concerning this communication on earlier communications from the examiner should be directed to Mai-Huong Tran, (571) 272-1796. The examiner can normally be reached on Monday-Thursday from 8:00 AM to 6:30 PM. The examiner's supervisor, David Nelms can be reached on (571) 272-1787.

The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

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Center (EBC) at 866-217-9197 (toll-free).

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR, Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business

Mai-Huong Tran

David Nelms
Supervisory Patent Examiner
Technology Center 2800

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